



**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Appl. No.:

APPLICANTS: Ford et al.

SERIAL NO.: 10/725,274

FILING DATE: 11/25/2003

EXAMINER: Elcenko, Eric J

ART UNIT: 2617

ATTORNEY'S DOCKET NO.: 884A.0025.U1(US)

TITLE: DATA DELIVERY

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**DECLARATION UNDER 37 C.F.R. § 1.131**

1. We, Peter J. Ford, Ian Nash, Ron Bird, Alan Wilkinson, Lee Cooper, Minna Asikainen, Inmaculada Espigares, Ari Tourunen, and Vesa-Matti Hakkarainen, hereby attest that we are the sole and first inventors of the invention described and claimed in the above-referenced patent application now pending before the U.S. Patent Office. Exhibits A through B described below represent our own work on the invention described in that patent application during the times indicated.

2. We conceived of the invention at least as early as September 11, 2003, as evidenced by Exhibit A.

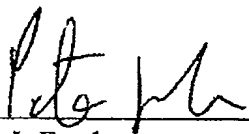
Exhibit A in five (5) pages is an invention report that relates to that patent application and represents our own work on the invention while in the United Kingdom, Finland or in another World Trade Organization country.

Exhibit B is an email dated 11/09/2003 (September 11, 2003), the attachment in the email includes the document of Exhibit A.

While the invention report identifies Peter J. Ford, Ian Nash, Ron Bird, Alan Wilkinson, and Lee Cooper as the inventors, it is noted that the invention report describes improvements to the work of Minna Asikainen, Inmaculada Espigares, Ari Tourunen, and Vesa-Matti Hakkarainen who were subsequently identified as co-inventors.

3. We hereby attest that Exhibits A-B cited herein are true copies. We hereby acknowledge that the statements made herein are true or are made on information and belief that is believed to be true. We further acknowledge that any willful false statements are punishable by fine or imprisonment, or both, in accordance with 18 U.S.C. § 1001; and that such false statements may jeopardize the validity of any patent that may issue from the application to which this Declaration pertains.

Respectfully Submitted,

  
\_\_\_\_\_  
Peter J. Ford

18th Nov 2009  
Date

\_\_\_\_\_  
Ian Nash

\_\_\_\_\_  
Date

\_\_\_\_\_  
Ron Bird

\_\_\_\_\_  
Date

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Alan Wilkinson

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Date

\_\_\_\_\_  
Lee Cooper

\_\_\_\_\_  
Date

\_\_\_\_\_  
Minna Asikainen

\_\_\_\_\_  
Date

Appl. No 10/725,274  
DECLARATION UNDER 37 C F R § 1.131

Respectfully Submitted,

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Peter J. Ford

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Date

\_\_\_\_\_  
Ian Nash



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Date

11/11/09

\_\_\_\_\_  
Ron Bird

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Date

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Alan Wilkinson

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Date

\_\_\_\_\_  
Lee Cooper

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Date

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Minna Asikainen

\_\_\_\_\_  
Date

Respectfully Submitted,


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Peter J. Ford

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Date

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Ian Nash

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Date

  
\_\_\_\_\_  
Ron Bird

  
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30.11.2009

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Date

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Alan Wilkinson

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Date

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Lee Cooper

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Date

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Minna Asikainen

\_\_\_\_\_  
Date

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Ian Nash

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Date

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Ron Bird

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Date

  
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Alan Wilkinson

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27 NOV 2009  
Date

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Lee Cooper

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Date

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Minna Asikainen

\_\_\_\_\_  
Date

Respectfully Submitted,

\_\_\_\_\_  
Peter J. Ford

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Date

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Ian Nash


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Ron Bird

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Alan Wilkinson

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Lee Cooper

\_\_\_\_\_  
Date

1/12/2009

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Minna Asikainen

\_\_\_\_\_  
Date

Appl No 10/725,274  
DECLARATION UNDER 37 C F R § 1.131

Respectfully Submitted,

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Peter J. Ford

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Date

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Ian Nash

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Ron Bird

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Date

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Alan Wilkinson

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Date

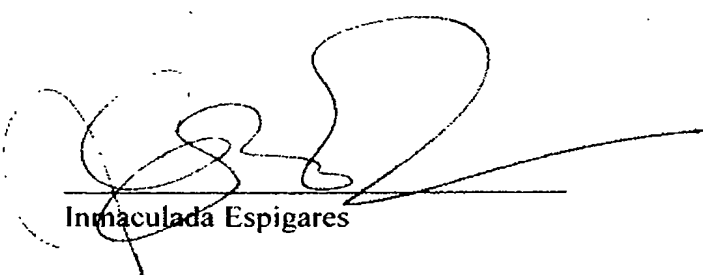
\_\_\_\_\_  
Lee Cooper

\_\_\_\_\_  
Date

*Minna Asikainen*  
\_\_\_\_\_  
Minna Asikainen

*November 9, 2009*  
\_\_\_\_\_  
Date

Appl. No. 10 725 274  
DECLARATION UNDER 37 C.F.R. § 1.131



\_\_\_\_\_  
Inmaculada Espigares

10<sup>th</sup> November 2009  
Date

\_\_\_\_\_  
Ari Tourunen

\_\_\_\_\_  
Date

\_\_\_\_\_  
Vesa-Matti Hakkarainen

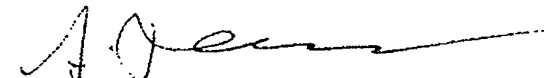
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DECLARATION UNDER 37 C.F.R. § 1.131

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Inmaculada Espigares

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Date

  
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Ari Tourunen

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9.11.2009  
Date

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Vesa-Matti Hakkarainen

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Date

Appl. No. 10/725,274  
DECLARATION UNDER 37 C.F.R. § 1.131

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Inmaculada Espigares

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Date







\_\_\_\_\_  
Ari Tourunen

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Vesa-Matti Hakkarainen

\_\_\_\_\_  
9 NOVEMBER 2009  
Date

## INVENTION REPORT

Title of the invention: Caller ID used to address new message		<b>INVENTION REPORT RECEIVED</b>	
		Code:	Patent Engineer/Committee:
Please type the description of the invention in this template. If you choose to use an attachment, make sure you answer all the questions in the template.		Place:	Date:
		Signature of receiver:	
Names, employee numbers, job titles and nationalities of <b>all inventors</b> : Peter J Ford - Interaction design specialist Nash - Interaction design specialist Ron Bird - Interaction design specialist Alan Wilkinson - Usability specialist Lee Cooper - Usability specialist	Home addresses of the inventors in respective order:     	Business/Technology Units and cost centres: IBU - Caprice program - 3146726  S3024	
Email addresses of the inventors working outside Nokia: 			
Office address of the first inventor acting as a contact: Southwood, Building 1, Desk 1505			
Phone of the first inventor: 7620		Fax of the first inventor:	
Line manager(s): Ruth Lyburn			
Project: Caprice		Project Manager: Olli Huttunen	
Related product(s): Charlie		Related standard(s): SWIS functionality - See What I See	
The invention becomes public on (see section 11 of the invention report): Q1 2005			
<p><i>I am/ We are the sole/ and original inventor(s) of this invention.</i></p> <p><i>The company may, by virtue of applicable legislation, be entitled to full or partial rights to the invention.</i>  <i>I/ We acknowledge my/ our obligation to sign as inventor(s) all documents that may be required for protecting the invention in different countries.</i></p> <p><b>Applicable to inventions made by inventors employed in FI, DK, DE and SE only.</b>  <i>Unless the inventor requests the Invention Report to be responded to within four (4) months from the date this Invention Report is received or such other period as the mandatory provisions of the applicable local law may otherwise require, the inventor consents to the right of the employer to use a reasonable period of time for the evaluation of the invention. A reasonable period of time may exceed four (4) months.</i></p> <p><input type="checkbox"/> <i>I/ We request that the Invention Report be responded to within four (4) months.</i></p> <p>Date:</p>			

*I have read and understood the invention described in this Invention Report*

Date:  
Signature of Manager or Patent Engineer

Signature(s) of Inventor(s):

**FORMAL REQUIREMENTS FOR FILING THE INVENTION REPORT**

The invention report must have the names of all the inventors and their home addresses. The first mentioned inventor is assumed to be the contact person in matters concerning the invention report. In the fields of office address, phone and fax, please fill in the contact person's information. Fill in the project field, if the invention is made in a project. The original Invention Report is signed by all inventors. Each page of the original invention report is signed by a manager. In case it is difficult to obtain the manager's signature your patent department will take care of it. The signed invention report is given directly to the local or business or unit's patent department. The invention report should also be submitted electronically to the patent department of the business or technology unit.

*I have read and understood the invention described in this Invention Report*

2

Date:

Signature of Manager or Patent Engineer

## DESCRIPTION OF THE INVENTION

### 1. Field of technology and background

*Describe here the technology and the areas of use the invention relates to. Provide here general background knowledge that is required to understand the framework of the invention, and describe the problem to be solved and the invention later.*

The invention uses the caller ID (CLI) to look up contact details to allow automatic addressing of text, multimedia email or other to the person connected to the device via voice call

### 2. Problem

*Describe here the problem that the invention solves or the situation that the invention improves, and preferably concentrate on the technical aspects of the problem or the situation.*

Currently the user would have to address the message manually – taking time, and causing confusion in the interaction as to whether the call is still active or not

### 3. Prior art

*Describe here how the problem was solved earlier. Please state also the source of prior art accurately.*

Manual addressing of messages

### 4. Invention

*Put here a short crystallization of the invention on a general level including possible use cases.*

Use case: - User is in a phone conversation and is trying to describe something to the other person. Instead of wasting time, they decide to take a picture and send it to the caller in the line. They take the picture, and in the menu there is the option to 'send to caller'. This then looks up the callers contact list and returns the possible sending options based on the contact details – for an image this will be MMS or Email (unless there is no email address in which case it will auto-select MMS)  
The message is automatically addressed with the image attached in one hit – no long winded messaging interactions required.

### 5. Implementation

*Describe exemplary implementations in detail with alternatives here, including at least the implementation you consider to be the best. Describe the crucial elements in detail.*

CLI needs to be able to look up contacts list and parse for suitable messaging types.

Menu needs to offer the 'send to caller' option only when 'in call'

### 6. Advantages and disadvantages

*Describe here how the invention improves earlier solutions. Also, if you are aware of any advantages or disadvantages, please state them here.*

Advantages:

Fast sending of an image to a caller

Less confusion as no context switch to messaging is required

No manual addressing required

### 7. List of figures

*Write the figure captions here as a list (Figure 1 presents ..., Figure 2 presents ...) and include the images into*

*I have read and understood the invention described in this Invention Report*

3

Date:

Signature of Manager or Patent Engineer

*the invention report (section 5 or section 15) in Word-compatible format (i.e., no embedded images that won't show on the screen when the document is viewed) labelled with the figure number (Figure 1., Figure 2.). Alternatively, include the figures in a separate document (PowerPoint etc.), but make sure to include the description of the figures also here.*

None

## **8. List of abbreviations**

CLI – caller line identification

## **9. Supervision**

*Explain here how we can (if possible) recognise if a competitor is using the same product/feature.*

Watch the imaging phone marketplace

## **10. Commercial value**

*Evaluate three aspects here: a) is the invention planned to be used in a Nokia product (which), b) is the invention going to be proposed to a standard (which), and c) would Nokia's competitors benefit from the use of the invention (who/how)?*

a) yes – Caprice under the support for SWIS – lite requirements

b) it is based on the SWIS standard

c) Imaging phone competitors would want to use this feature – Samsung etc...

## **11. Publication**

*If the invention is becoming public in any way, please describe the exact way and details of publication here: what will be disclosed and how. For example, submission of standardization contributions, scientific papers, conference abstracts, theses or papers written for a degree and commercial brochures and offers for sale may be considered as "publication". Also, any use in a product that is publicly available or disclosure (written or oral) to another company without a non-disclosure agreement (NDA) is considered to be a publication.*

Caprice Q1 2005

## **12. Dates of the invention**

*If you can, put here the date when you first thought of the invention (this date should be verifiable from your personal dated notes). Also, if you have completed the invention, e.g., written a computer program, put this date here (the completion should be verifiable by a witness). Also, provide all evidence material relating to the dates to the patent department.*

## **13. Experts**

*If you know any experts that are able to comment the invention, list them here. Also, please mention if you are aware that a certain patent engineer has earlier experience of similar invention reports.*

*I have read and understood the invention described in this Invention Report*

Date:

Signature of Manager or Patent Engineer

**14. Further comments**

*Any further comments may be put here, e.g., if you consider the invention to require further development, know of a related earlier invention report in Nokia by you or others, or have any additional information that you think may otherwise affect the decision process.*

Caprice inherited this feature and so there may be prior art from with Nokia itself – this should be investigated as the Marketing name for this functions was on the intranet – Here:

[http://www2.connecting.nokia.com/nmp/ipc\\_intranet.nsf/document/ES335LE8X4?OpenDocument](http://www2.connecting.nokia.com/nmp/ipc_intranet.nsf/document/ES335LE8X4?OpenDocument)

**15. The figures**

*Place the figures here, or among the description of the implementation. Alternatively, include the figures in a separate document (PowerPoint etc).*

not publicly  
available  
- checked 17/10/03  
Pantlippi

*I have read and understood the invention described in this Invention Report*

5

Date:

Signature of Manager or Patent Engineer

8576  
7602

**Patent-Agency Swindell-Pearson (EXT-RES/Southwood)**

**From:** Khan Saiful (Nokia-IPR/Southwood)  
**To:** Patent-Agency Swindell-Pearson (EXT-RES/Southwood)  
**Cc:** Mallipeddi Vijaya (Nokia-IPR/Southwood)  
**Subject:** New Draft NC33884

Sent: Thu 11/09/2003 12:04

**Attachments:**  NC33884.doc(1MB)

**EXHIBIT B**

Paul,

I attach herewith an electronic copy of documents relating to NC33884. Please note that the document contains embedded files (please note that some of the embedded files appear as the front page of the document - you will need to double-click on this front page to get access to the whole embedded doc.).

Please prepare a draft patent application for my approval as soon as possible. I wish to have this case filed by November. Please first file this case in the US.

Thanks

Saiful

Dr Saiful Khan  
IPR Counsel  
NOKIA

Nokia IPR Department  
Nokia House  
Building 3, Floor 2  
Summit Avenue  
Farnborough  
GU14 0NG  
UK

Tel: +44 (0) 1252 867597  
Fax: +44 (0) 1252 865080  
Email: saiful.khan@nokia.com

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Peter J Ford  
Nash  
Ron Bird  
Alan Wilkinson

VI - images.





**Patent-Agency Swindell-Pearson (EXT-RES/Southwood)**

**From:** Patent-Agency Swindell-Pearson (EXT-RES/Southwood)  
**To:** Khan Saiful (Nokia-IPR/Southwood)

**Sent:** Wed 22/10/2003 15:08

**Cc:**  
**Subject:** NC33884us, 8579us, First Draft Patent Appln

**Attachments:**  8579us.pdf(879KB)  8579us.001.doc(56KB)

21<sup>st</sup> October 2003

## EXHIBIT C

Dear Saiful,

NC 33884 - Draft Patent Application

Our File: PH/8579US

Please find enclosed a first draft patent application for this invention. You will see from the enclosed claims that I have identified two potentially inventive aspects of this invention. The first relates to the mechanism by which a data message can be automatically addressed during a telephone call. The second relates to a "context aware" menu, which provides an option "send to caller" only during a telephone call.

The first page of the draft, rather unusually, sets out the inventors for this invention. This is because this invention was separately innovated in separate parts of Nokia. I have the inventors' details for the U.K. inventors but not for the Finnish inventors. I would prefer to have details of the Finnish inventors before instructing the filing of the U.S. application.

I discussed this case with Peter Ford and Alan Wilkinson. Peter Ford will by now have left Nokia and Alan Wilkinson has agreed to be the primary contact for this case.

I look forward to receiving any comments you or the inventors may have concerning this draft.

Yours sincerely,

Paul Higgin

# EXHIBIT D

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Contact: Alan Wilkinson

Inventors:

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1. Peter J Ford	UK	Left Nokia
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2. Ian Nash	UK	
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3. Ron Bird	UK	
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4. Alan Wilkinson	UK	
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5. Lee Cooper	UK	
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6. Minna Asikainen	Tampere?	
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7. Inmaculada Espigares	Tampere?	
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8. Ari Tourunen	Tampere?	
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9. Vesa-Matti Hakkarainen	Tampere?	
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Address and nationality details are required for inventors 6 to 9.

**TITLE**

Data delivery.

**FIELD OF THE INVENTION**

- 5 Embodiments of the present invention relate to methods and devices for sending data.

**BACKGROUND TO THE INVENTION**

- 10 At present, if a user wishes, for example, to send a text message, the user must enter a text messaging application, write the message and then specify the address to which it should be sent before sending the messaging.

- It would be desirable to improve the ease with which a user can send data  
15 using a mobile telephone.

**BRIEF DESCRIPTION OF THE INVENTION**

- The inventors realised that the process by which data is sent by a mobile  
20 cellular telephone can be improved when the telephone is participating in a telephone call.

- The inventors realised that when a party to an on-going telephone call wishes to send data during the telephone call, they will often wish to send that data to  
25 the other party or parties participating in the on-going telephone call.

- According to one embodiment there is provided a method of sending data from a first party participating in a telephone call to a second party participating in the telephone call, comprising, in the terminal of the first party,  
30 storing, as a consequence of the telephone call, identifier data that identifies the second party;

using the stored identifier data to determine automatically a destination address for a data message; and sending, during the telephone call, the data message with the automatically determined destination address.

- 5 According to another embodiment there is provided a mobile cellular telephone terminal comprising: a radio cellular transceiver for enabling participation in a telephone call to a second terminal; a memory; and control means for storing in the memory, as a consequence of the telephone call, identifier data identifying the second terminal or its user, for determining
- 10 automatically a destination address for a data message using the stored identifier data and for controlling the radio cellular transceiver to send the data message with the automatically determined destination address during the telephone call.
- 15 According to another embodiment there is provided a method for sending data from a first party participating in a telephone call to a second party participating in the telephone call, comprising, in the terminal of the first party: providing, while the telephone call is on-going, a user selectable option to transfer data to another party participating in the telephone call without user
- 20 specification of a destination address.

According to another embodiment there is provided a mobile cellular telephone terminal comprising: a radio cellular transceiver for enabling participation in a telephone call to a second terminal; a user interface; and

25 control means for providing, temporarily while the telephone call is on-going, in the user interface a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address.

- 30 Embodiments of the invention therefore provide an easier and faster way to send data to a likely recipient during a telephone call.

## BRIEF DESCRIPTION OF THE DRAWINGS

For a better understanding of the present invention reference will now be made by way of example only to the accompanying drawings in which:

- 5 Fig. 1 illustrates a mobile cellular radio telecommunications network 2;  
Fig. 2 illustrates the first mobile cellular telephone terminal 6 in more detail;  
Fig 3 illustrates the process by which data is sent by the first terminal to the second terminal while it is participating in a telephone call with the second terminal; and
- 10 Fig 4 illustrates an alternative process by which data is sent by the first terminal to the second terminal while it is participating in a telephone call with the second terminal.

## DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

15

Fig. 1 illustrates a mobile cellular radio telecommunications network 2. The network 2 comprises network infrastructure 4 that typically includes a switching centre connected to a plurality of base transceiver stations, a first cellular mobile telephone terminal 6 and a second cellular mobile telephone terminal 8. In other embodiments, the network 2 may be connected to the public service telephone network (PSTN) and the second terminal 8 may be a telephone terminal or a computer terminal. The first mobile cellular telephone terminal 6 is used by a first user 12 and the second terminal 8 is used by a second user 14.

25

Fig. 2 illustrates the first mobile cellular telephone terminal 6 in more detail. It comprises: a radio cellular transceiver 20; a memory 22; a user interface 24 and a control means 30.

30

The user interface 24 includes a display 25, a user selection device 26 such a keypad or joystick, an audio output device 27 and an audio input device 28.

The control means 30 is provided, in this example, by a suitably programmed processor. The processor 30 is connected to provide information to and receive information from the radio cellular transceiver 20. This information includes speech and, may, in some embodiments, include data. The processor 30 is connected to read to and to write from the memory 22. The processor 30 is connected to provide display control signals to the display 25 and receive control signals from the selection device 26. During a telephone call, it also provides speech information received from the radio cellular transceiver 20 to the audio output device 28 and provides speech information received from the audio input device 27 to the radio cellular transceiver 20.

The radio cellular transceiver 20 communicates wirelessly with the infrastructure 4 of the mobile cellular radio telecommunications network 2. This communication enables the terminal 6 to participate in a telephone call with the second terminal 8. The radio cellular transceiver 20 may additionally enable the first terminal 6 to communicate data to the second terminal 8. This may, for example, be as a multimedia messaging service (MMS) message, a short messaging service (SMS) message or as an email message. In other alternative embodiments, the first terminal may comprise an additional transceiver (not shown) for communicating with the second terminal. Such a transceiver is preferably a short-range wireless transceiver such as an infrared (IR) transceiver or a low power radio frequency transceiver such as a Bluetooth (trademark) transceiver.

Fig 3 illustrates the process by which data is sent by the first terminal 6 to the second terminal 8 while it is participating in a telephone call with the second terminal 8. The first user 12 and second user 14 are respective first and second parties to the telephone call. The process occurs within the first terminal 6 and is controlled by the processor 30.

In this example, the call is initiated by the first terminal 6 at step 100. As a consequence of the telephone call the processor 30, at step 102,

automatically stores identifier data identifying the destination of the telephone call in the memory 22. In this case, the destination is the second terminal 8 or its user 14. If the telephone call is a circuit switched telephone call, the identifier data is the telephone number of the second party 14 and the memory 22 is a memory for storing dialled telephone numbers.

If during the telephone call the first party 12 wishes to send a data message to the other party 14, she makes a selection at step 104. The processor 30 responds to this selection at step 106 by controlling the display to provide a number of alternative user selectable options. The provided options depend upon the application from which the selection at step 104 is made. However, at least one option is "send to caller", the selection of which at step 108 enables a data message to be sent without the user input of a destination address.

The application is preferably context aware in the sense that it is aware that a telephone call is ongoing and the provided options are temporarily adapted to include "send to caller" as an additional option while the telephone call is ongoing. This may be achieved by setting a flag in the memory 22 to indicate whether a call is on-going or not. The processor 30 responds to the selection at step 106 by reading the flag from the memory 22. If the flag indicates that a telephone call is not on-going the options provided at step 106 include the option "send" but not the "send to caller" option. Selection of the "send" option enables a data message to be sent after the user has input a destination address. If the flag indicates that a telephone call is on-going the options provided at step 106 include the option "send to caller" in addition to the option "send", thus augmenting the provided options.

One type of application is a data handling application such as a calendar application that stores appointments. The selection at step 104 enables a user to send details of an appointment as a data message. The selection at step 108 enables a user to send details of an appointment as a data message to



- the other party participating in an on-going telephone call without inputting the destination address. Another type of data handling message is a contacts application that stores contact details as a series of entries. Each entry may include a postal addresses, telephone numbers and email addresses. The
- 5 selection at step 104 enables a user to send details from an entry as a data message. The selection at step 108 enables a user to send details from an entry as a data message to the other party participating in an on-going telephone call without inputting the destination address.
- 10 Another type of application is a data creation application such as a text entry application, a video camera application or a digital camera application. The selection at step 104 enables a user to send respectively text, a video clip or an image as a data message. The selection at step 108 enables a user to send respectively text, a video clip or an image as a data message to the
- 15 other party participating in an on-going telephone call without inputting the destination address.

When the "send to caller" option is selected at step 108, the processor 30 at step 110 automatically determines a destination address for the data

20 message using the identifier data stored at step 102. The processor 30 automatically interrogates a database using the telephone number stored at step 102 to obtain the destination address. The database associates different telephone numbers with the data delivery addresses of different persons. Each different identifier data is associated with the data delivery addresses of

25 one person such as their email address, their telephone number, or their Bluetooth device address. The database may be the same database used by the Contacts application.

Then having determined the data delivery addresses, the processor 30 at step

30 112 controls the display to present for user selection one or more delivery mechanisms related to the determined delivery addresses.

If the determined delivery addresses includes a mobile telephone number, the delivery mechanisms may include: Short Messaging Service (SMS) which is suitable for alphanumeric text or Multimedia Messaging Service (MMS) which is suitable for still images.

5

The delivery mechanisms presented may be related to the application from which the selection has been made. Thus SMS is only presented if the selection is from an application that is text-based such as a Calendar, Contacts or text messaging. Thus MMS is only presented if the selection is from an application that is image-based such as a digital camera application.

10

If the determined delivery addresses includes an email address the delivery mechanisms may include email, which is suitable for having text or mark-up language as its body and files as attachments, such as image or video files.

15

If the determined delivery addresses includes a Bluetooth Device address the delivery mechanism will include packet data.

At step 114 the user selects one of the presented delivery mechanisms.

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At step 116, the processor controls the sending of the data message by the selected delivery mechanism using the destination address determined at step 110. The data message is sent via a new channel that runs in parallel with the voice channel used for the telephone call. If the data message is sent using the radio cellular transceiver it may be sent on a separate transport layer to the voice call.

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If there is only a single data delivery mechanism available steps 112 and 114 may be automated.

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Fig 4 also illustrates the process by which data is sent by the first terminal to the second terminal while it is participating in a telephone call with the second

terminal. The steps 106 to 11 are the same the steps 100' and 102' are different to the steps 100 and 102 in Fig. 3. In this example, the call is initiated by the first terminal at step 100'. As a consequence of the telephone call, at step 102', the processor 30 automatically stores identifier data identifying the origin of the telephone call in the memory. In this case, the destination is the second terminal or its user. If the telephone call is a circuit switched telephone call, the identifier data is the telephone number of the second party received via the radio cellular transceiver using call line identification (CLI) or its equivalent. However, when the "send to caller" option is selected at step 108, the processor 30 at step 110 automatically determines a destination address for a data message using the identifier data stored at step 102' not step 102.

I/we claim:

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## CLAIMS

1. A method of sending data from a first party participating in a telephone call to a second party participating in the telephone call, comprising, in the  
5 terminal of the first party,  
storing, as a consequence of the telephone call, identifier data that identifies the second party;  
using the stored identifier data to determine automatically a destination address for a data message; and  
10 sending, during the telephone call, the data message with the automatically determined destination address.
2. A method as claimed in claim 1, wherein the telephone call is initiated at the terminal of the first party and the step of storing the identifier data comprises  
15 storing the destination of the telephone call.
3. A method as claimed in claim 2, wherein the telephone call is a circuit switched telephone call and the identifier data is the telephone number of the  
20 second party.
4. A method as claimed in claim 1, wherein the telephone call is terminated at the terminal of the first party and the step of storing identifier data comprises storing the origin of the telephone call.
- 25 5. A method as claimed in claim 4, wherein the telephone call is a circuit switched telephone call and the identifier data is the telephone number of the second party.
6. A method as claimed in claim 4, wherein the telephone number of the  
30 second party is provided by call line identification (CLI) or equivalent.

7. A method as claimed in any preceding claim wherein the step of using the stored identifier data to determine automatically a destination address for a data message comprises automatically interrogating a database using the identifier data to obtain the destination address.

5

8. A method as claimed in claim 7 wherein the database associates the identifier data with contact addresses of the second party.

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9. A method as claimed in any preceding claim wherein the destination address is any one of: an email address, a telephone number, a Bluetooth device address.

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10. A method as claimed in any preceding claim further comprising: providing, only during the telephone call, a user selectable option to transfer data to the other party participating in the telephone call without user specification of a destination address.

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11. A method as claimed in claim 10, wherein the user selection of the temporarily provided transfer option enables, in the terminal of the first user, the step of using the stored identifier data to determine automatically a destination address for a data message.

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12. A mobile cellular telephone terminal comprising:  
a radio cellular transceiver for enabling participation in a telephone call to a second terminal;

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a memory; and  
control means for storing in the memory, as a consequence of the telephone call, identifier data identifying the second terminal or its user, for determining automatically a destination address for a data message using the stored identifier data and for controlling the radio cellular transceiver to send the data message with the automatically determined destination address during the telephone call.

13. A mobile telephone terminal as claimed in claim 12, wherein the stored identifier data is a dialled telephone number.

5 14. A mobile telephone terminal as claimed in claim 12, wherein the stored identifier data is a telephone number received via the radio cellular transceiver.

10 15. A mobile telephone terminal as claimed in claim 12, 13 or 14, further comprising a database, wherein the control means is operable to interrogate the database using the identifier data to obtain the destination address.

15 16. A mobile telephone terminal as claimed in claim 15, wherein the database associates each of a plurality of different the identifier data with respective different contact addresses.

20 17. A mobile telephone terminal as claimed in any one of claims 12 to 16, wherein the destination address is any one of: an email address, a telephone number, a Bluetooth device address.

25 18. A mobile telephone terminal as claimed in any one of claims 12 to 17, further comprising a user interface for providing a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address.

30 19. A mobile telephone terminal as claimed in claim 18, wherein the user selectable option is provided only during the telephone call .

20. A method for sending data from a first party participating in a telephone call to a second party participating in the telephone call, comprising, in the terminal of the first party:

providing, while the telephone call is on-going, a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address.

- 5     21. A method as claimed in claim 20, wherein selecting the provided option enables user selection of one of a plurality of delivery mechanisms.

22. A method as claimed in claim 20, wherein selecting the provided option enables automatic selection of a delivery mechanism.

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23. A method as claimed in claim 20, wherein the step of providing, while the telephone call is on-going, a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address provides more than one user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address, wherein each option enables a different delivery mechanism.

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24. A method as claimed in any one of claims 20 to 23, further comprising automatically storing, as a consequence of the telephone call, data that identifies the second party, wherein selecting a provided option enables using the stored data to determine automatically a destination address for a data message.

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25. A method as claimed in any one of claims 20 to 23, further comprising sending the data message with the determined destination address.

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26. A method as claimed in claim 24 or 25, wherein the destination address is any one of: email address, telephone number, Bluetooth device address

- 30     27. A method as claimed in any one of claims 20 to 26, wherein the step of providing, while the telephone call is on-going, a user selectable option to transfer data to another party participating in the telephone call without user

specification of a destination address temporarily augments automatically a user selectable data transfer option for transferring data to a user determined destination address.

5    **28.** A mobile cellular telephone terminal comprising:

a radio cellular transceiver for enabling participation in a telephone call to a second terminal;

a user interface; and

control means for providing, temporarily while the telephone call is on-going,

10   in the user interface a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address.

29. A mobile cellular telephone terminal as claimed in claim 28, wherein the

15   control means responds to user selection of the provided option to provide a plurality of user selectable delivery mechanisms.

30. A mobile cellular telephone terminal as claimed in claim 28, wherein the control means responds to user selection of the provided option to

20   automatically select a delivery mechanism.

30. A mobile cellular telephone terminal as claimed in claim 28, wherein the control means automatically stores, as a consequence of the telephone call,

data that identifies the second party and is responsive to the user selection of

25   provided option to automatically determine, using the stored data, a destination address for a data message.

31. A mobile cellular telephone terminal as claimed in claim 30, wherein

control means controls the radio transceiver to send a data message with the

30   determined destination address.



32. A mobile cellular telephone terminal as claimed in claim 30 or 31, wherein the destination address is any one of: an email address, a telephone number, and a Bluetooth device address.

## ABSTRACT

A method of sending data from a first party participating in a telephone call to a second party participating in the telephone call, comprising, in the terminal  
5 of the first party, storing, as a consequence of the telephone call, identifier data that identifies the second party; using the stored identifier data to determine automatically a destination address for a data message; and sending, during the telephone call, the data message with the automatically determined destination address. A method for sending data from a first party  
10 participating in a telephone call to a second party participating in the telephone call, comprising, in the terminal of the first party: providing, while the telephone call is on-going, a user selectable option to transfer data to another party participating in the telephone call without user specification of a destination address.

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Fig. 3

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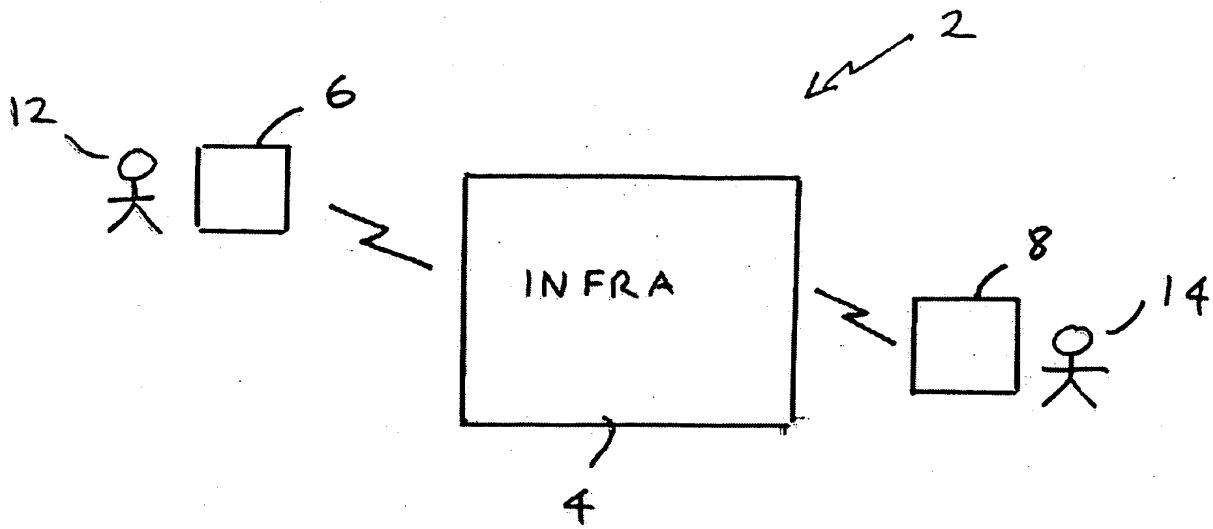


Fig. 1

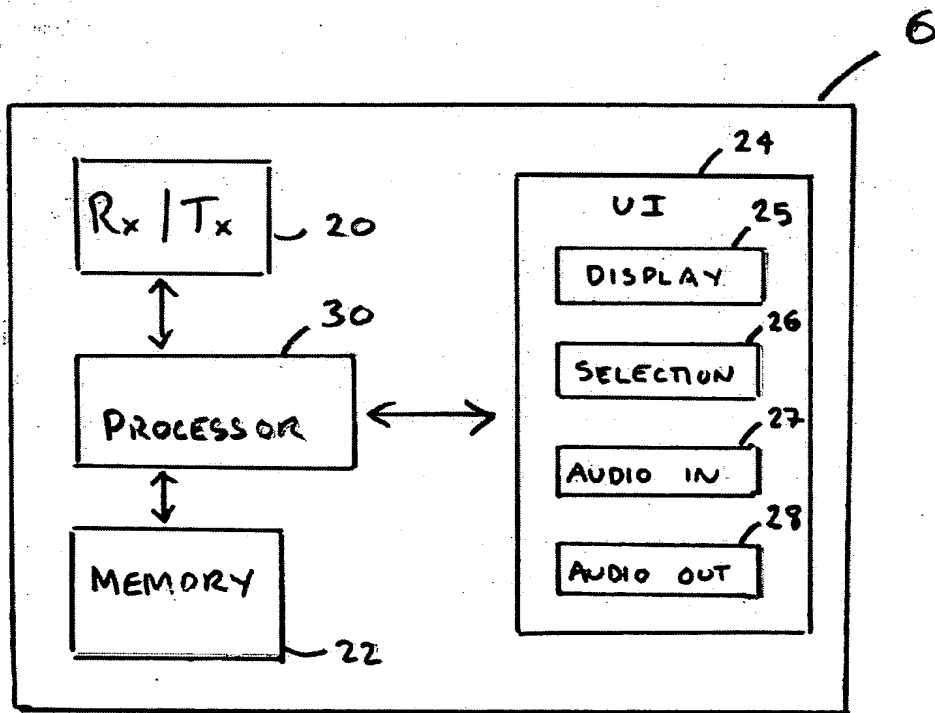


Fig. 2

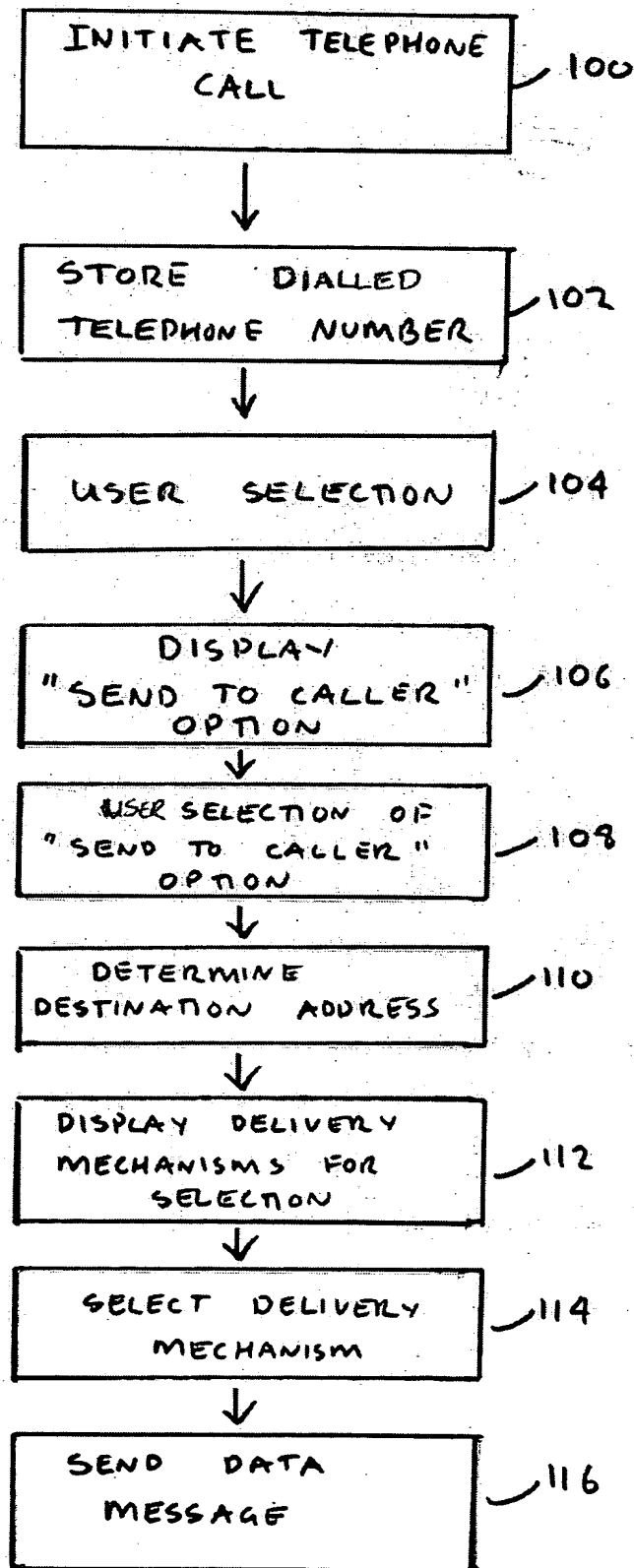


Fig. 3

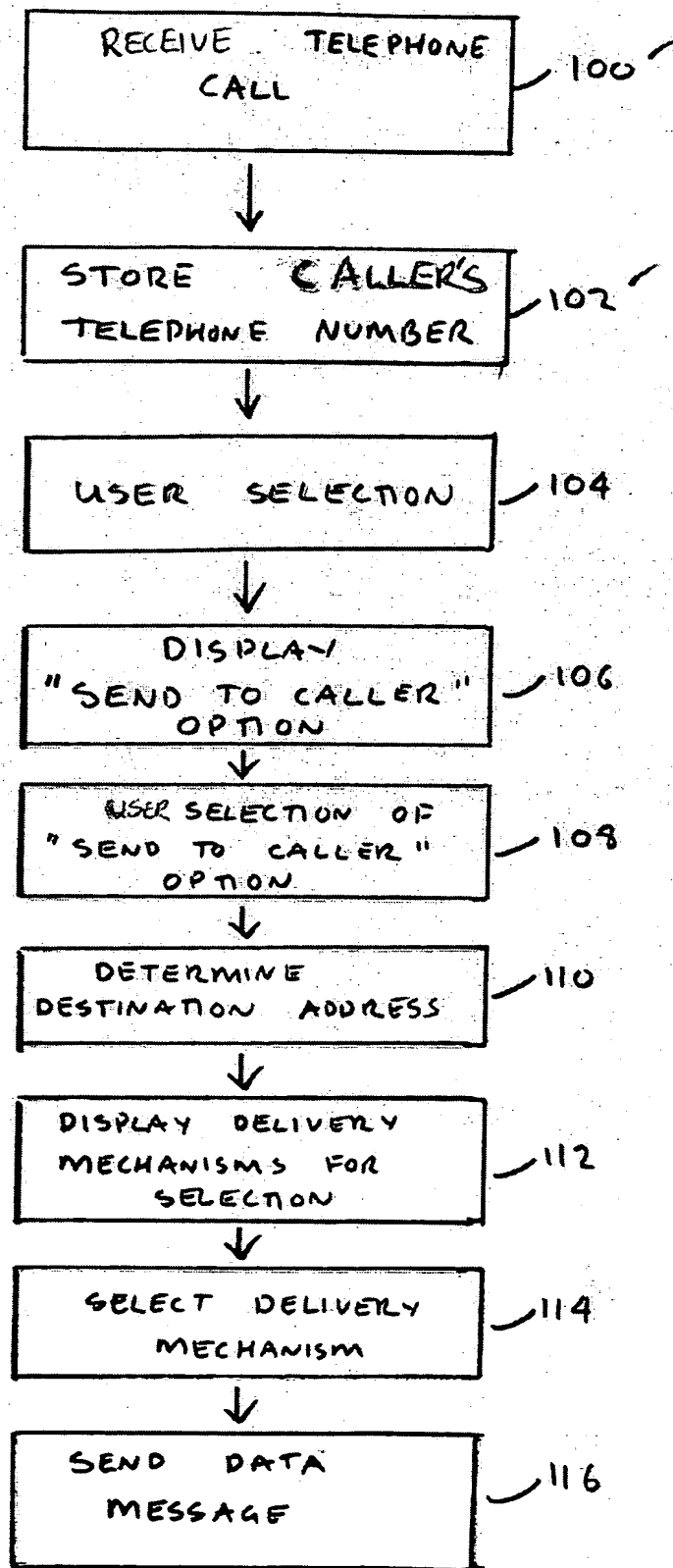


Fig. 4